

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130
617-983-6622

06/15/11

Catherine Ham
Assistant District Attorney, Plymouth County

Dear ADA Ham,

Enclosed are copies of the information you requested regarding sample numbers [REDACTED] in the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Daniela Frasca and Annie Khan (Dookhan).
3. Control Cards with Analytical Results for sample numbers [REDACTED]
4. Analysis Notation Forms for sample number [REDACTED]
5. GC-MS Raw Data Sheets for sample number [REDACTED]

GC-MS confirmatory testing was performed by Annie Khan (Dookhan). All other testing was performed by Daniela Frasca. If you have any questions or concerns about these facts, please contact me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read 'Daniela Frasca'.

Daniela Frasca
Chemist II
Drug Laboratory
617 983-6631
fax: 617 983-6625

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
State Laboratory Institute

Boston Drug Laboratory
Tel (617) 983-6622
Fax (617) 983-6625

Amherst Drug Laboratory
Tel (413) 545-2601
Fax (413) 545-2608

Boston Hours

8:00 - 11:00
2:00 - 4:00

Amherst Hours


9:00 - 12:00
1:00 - 3:00

DRUG RECEIPT

City or Department: Brockton Police Department

Police Reference No.: 

Name and Rank of Submitting Officer: DONOHUE, PATRICK S 380 DOC # R012374

Defendant(s) Name (last,first,initial):


To be completed by Submitter

Description of Items Submitted

To be completed by Lab Personnel

Gross Weight

Lab Number

- 1) PLASTIC BAGS UNK WHITE ROCK (QTY: 12)
PLASTIC BAG UNK WHITE ROCK (S17356)

5.80 gm

- 2) UNK WHITE POWDER RESIDUE (LOOSE) (QTY: 1)
(S17357)

1.55 gm

Received By: 

Date: 10.2.09

Curriculum Vitae

Daniela Frasca

Education

Boston University School of Medicine, Boston MA

Currently enrolled in the Biomedical Forensic Science MS Program

Suffolk University, Boston, MA

Graduated in 05/1996 and received a Bachelor of Science in Biochemistry

EXPERIENCE

Massachusetts State Laboratory Institute/DPH, Jamaica Plain, MA 01/2001 – present

Drug Laboratory: Chemist II

- Analysis of all substances by chemical screening, microscopy, and instrument confirmation to determine the presence of drugs for law enforcement agencies in the Commonwealth of Massachusetts.
- Appointed assistant analyst on January 29, 2001 by the Assistant Commissioner of DPH
- Completed four weeks of training in drug analysis under the supervision of senior chemists.

Quest Diagnostics Incorporated, Cambridge, MA

09/1996 – 10/2001

Department of Toxicology: Medical Technologist I

- Handles comprehensive toxic analysis, therapeutic drug monitoring, forensic drug screening, and compound ID's of biohazard samples utilizing standard operating procedures in clinical toxicology.
- Entered data and interpreted results for reporting
- QC/QA of multiple analytical instrumentation as well as maintenance
- Completed 60 days of training under the supervision of doctorate level toxicologists.

Additional Training

Northeastern Association of Forensic Scientists

Designer Drugs

Clandestine labs

Agilent Instruments and Software

Digital Photography

McCrone Research Institute

Forensic Polarized Microscopy

Polarized Microscopy of Illicit Drugs and Excipients

Massachusetts State Laboratory Institute

Expert Witness

Raman Spectroscopy

Associations and Programs

- Northeastern Association of Forensic Scientists (NEAFS) 2001 - present
- The International Association of Forensic Toxicologists (TIAFT) 2003 - present
- The International Association of Therapeutic Drug Monitoring And Clinical Toxicology (IATDMCT) 2003 - present
- Massachusetts State Science Fair Judge 2000 - present
- Middle School State Science Fair Judge 2006 - present
- Volunteer Science Project Mentor/Tutor for the TTT Mentor Program 2003 - present

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

No. [REDACTED]
City: Brockton Police Dept.
Officer: Detective PATRICK DONOHUE
Def: [REDACTED]

Date Analyzed: 12-31-09

Amount:
No. Cont: 12 Cont: pb
Date Rec'd: 12/02/2009
Gross Wt.: 5.80

Subst: SUB

No. Analyzed: 2
Net Weight: 2.75g
Estimated Net wt of 12
Tests: 14
LIASS

Prelim: (K) Cocaine

Findings: cocaine

No. [REDACTED]
City: Brockton Police Dept.
Officer: Detective PATRICK DONOHUE
Def: [REDACTED]

Date Analyzed: 12/29/09

Amount:
No. Cont: 1 Cont: pb
Date Rec'd: 12/02/2009
Gross Wt.: 1.55

Subst: RES

No. Analyzed:
Net Weight:
Tests:

Prelim:

Findings: Not Tested

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Brockton

ANALYST

QAB



PHYSICAL DESCRIPTION:

LEV. MOK

Substance in 12 PB marked "X" in black.

2 Mary -

Gross wt. 4.2072g

2 Braed -

2 Meck -

Gross wt and Net wt of 2 randomly analyzed are on back.

2 Cabalt -, + w/acid

2 Gold +

Estimated Net wt of 12 by 2 is (2.75g)

2 TLTA -, + w/acid

PRELIMINARY TEST RESULTS

RESULTS

Cocaine

DATE

12/29/09

GC/MS CONFIRMATORY TEST

RESULTS

Cocaine

MS
OPERATOR

R. D. J. R. MS: ASD

DATE

12/31/09

Sample #: [REDACTED]

samples tested: 2

#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight
1	0.3510		0.2313	26	
2	0.3376		0.2271	27	
3			0.4584	28	
4				29	
5	$\div 2 = 0.2292$			30	
6				31	
7				32	
8	$\times 12 = 2.7504$			33	
9				34	
10				35	
11	ESTIMATED NET WT OF 12 by 2's (2.75g)			36	
12				37	
13				38	
14				39	
15				40	
16				41	
17				42	
18				43	
19				44	
20				45	
21				46	
22				47	
23				48	
24				49	
25				50	

Calculations:

0.3510
0.3376
0.3748

0.4584
2 =
0.9168

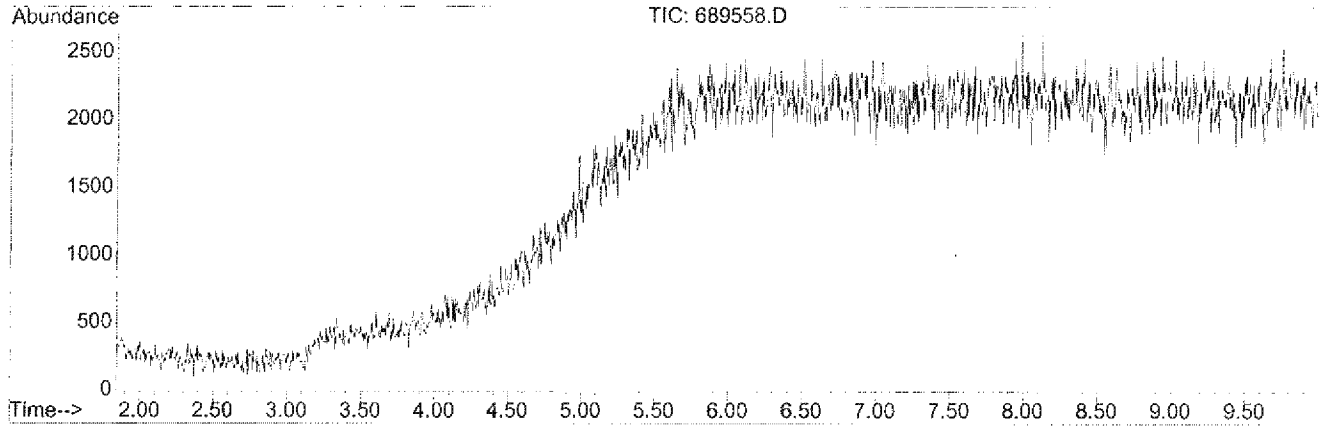
0.9168
10 =
9.168

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_29_09\689558.D
Operator : DJR
Date Acquired : 30 Dec 2009 9:49
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE

✓ ASD
06-15-11



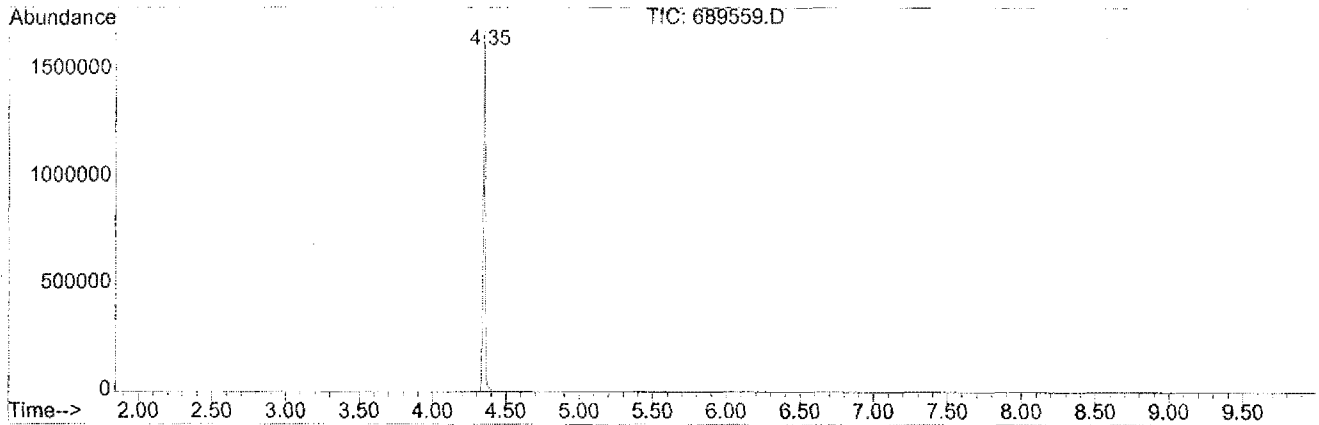
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_29_09\689559.D
Operator : DJR
Date Acquired : 30 Dec 2009 10:02
Sample Name : COCAINE STD
Submitted by :
Vial Number : 59
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.347	1532041	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

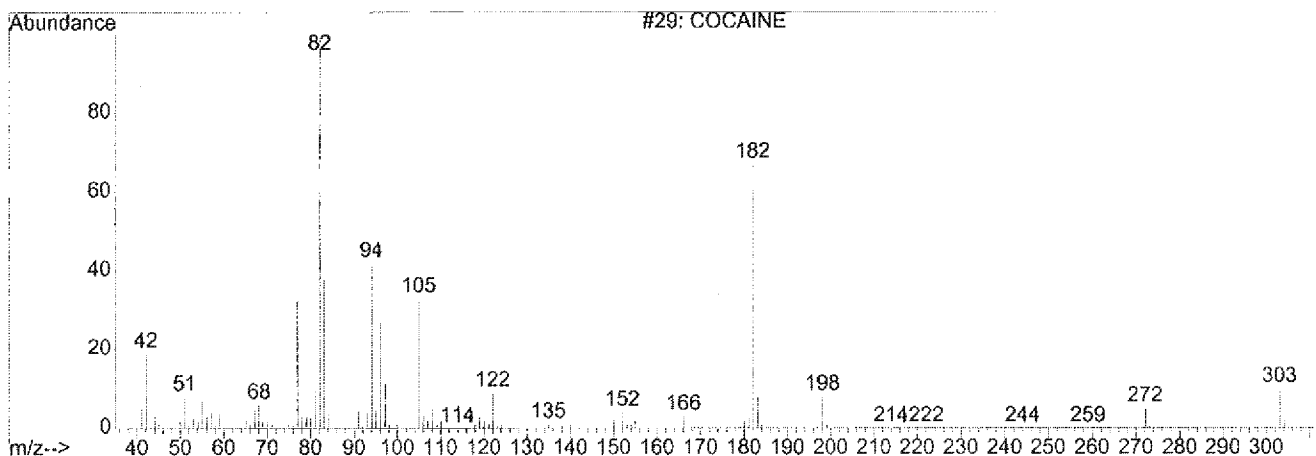
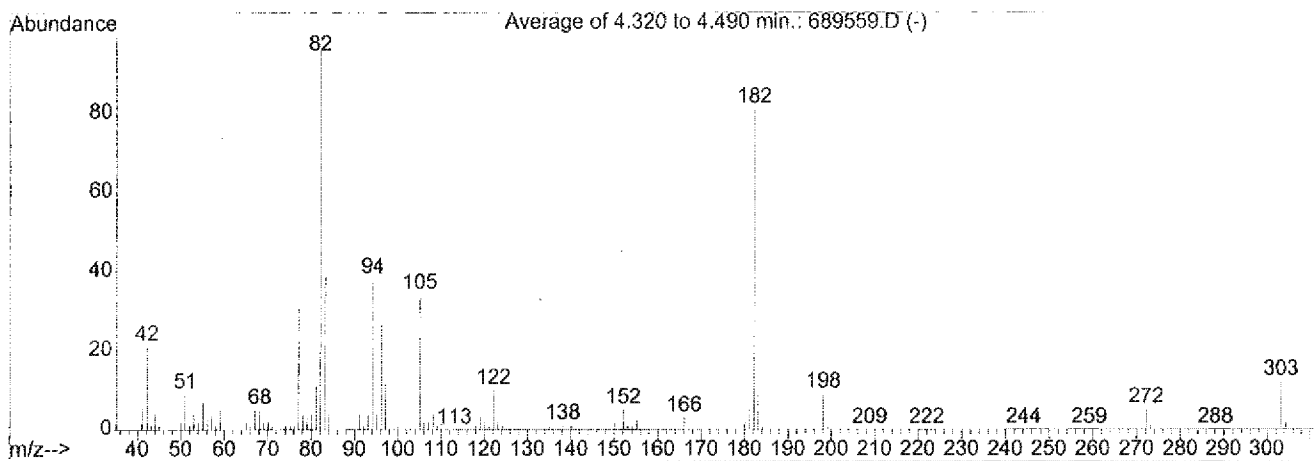
```

File Name       : F:\Q4-2009\SYSTEM7\12_29_09\689559.D
Operator        : DJR
Date Acquired   : 30 Dec 2009  10:02
Sample Name     : COCAINE STD
Submitted by    :
Vial Number     : 59
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

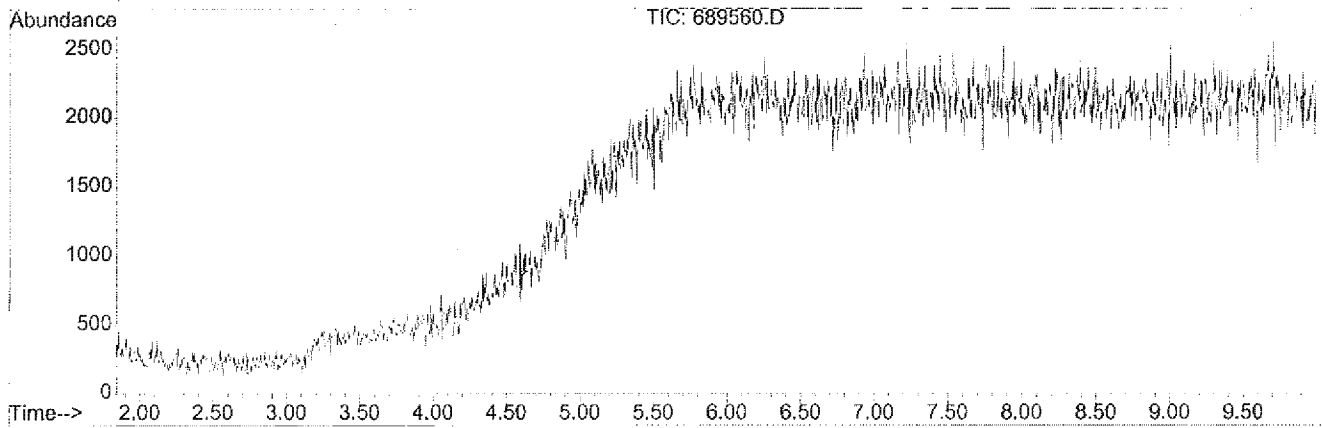
PK#	RT	Library/ID	CAS#	Qual
1	4.35	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_29_09\689560.D
Operator : DJR
Date Acquired : 30 Dec 2009 10:15
Sample Name : BLANK
Submitted by : DXF
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



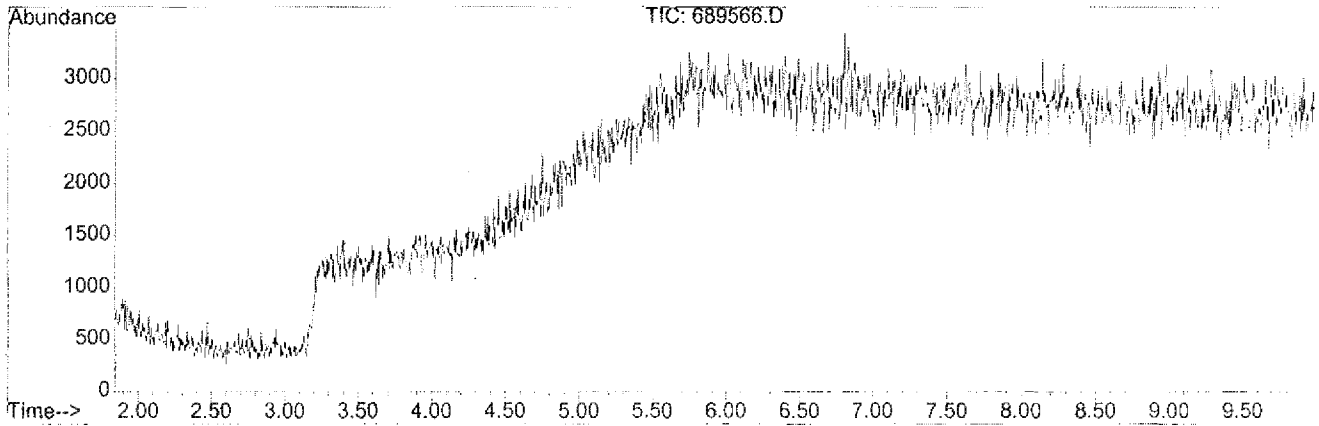
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_29_09\689566.D
Operator : DJR
Date Acquired : 30 Dec 2009 11:30
Sample Name : BLANK
Submitted by : DXF
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



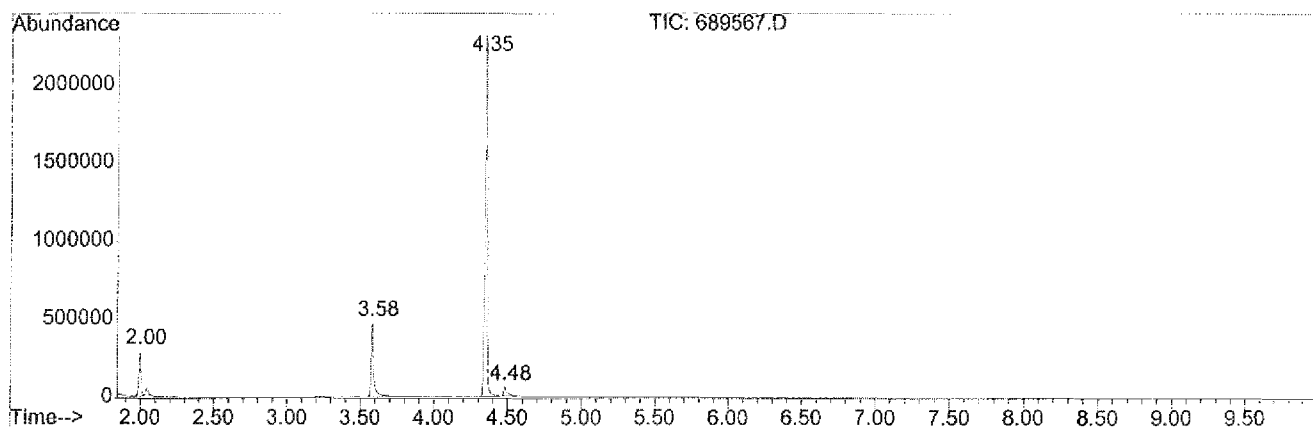
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_29_09\689567.D
 Operator : DJR
 Date Acquired : 30 Dec 2009 11:43
 Sample Name : XXXXXXXXXX
 Submitted by : DXF
 Vial Number : 67
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
1.996	279437	8.05	11.11
3.579	562709	16.22	22.37
4.347	2516021	72.52	100.00
4.479	111245	3.21	4.42

Area Percent / Library Search Report

Information from Data File:

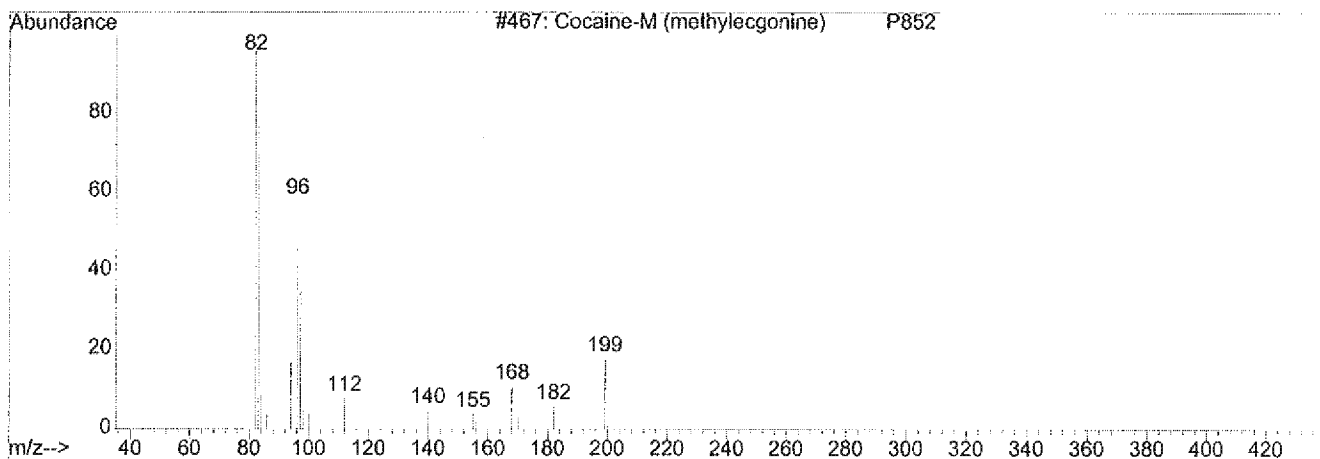
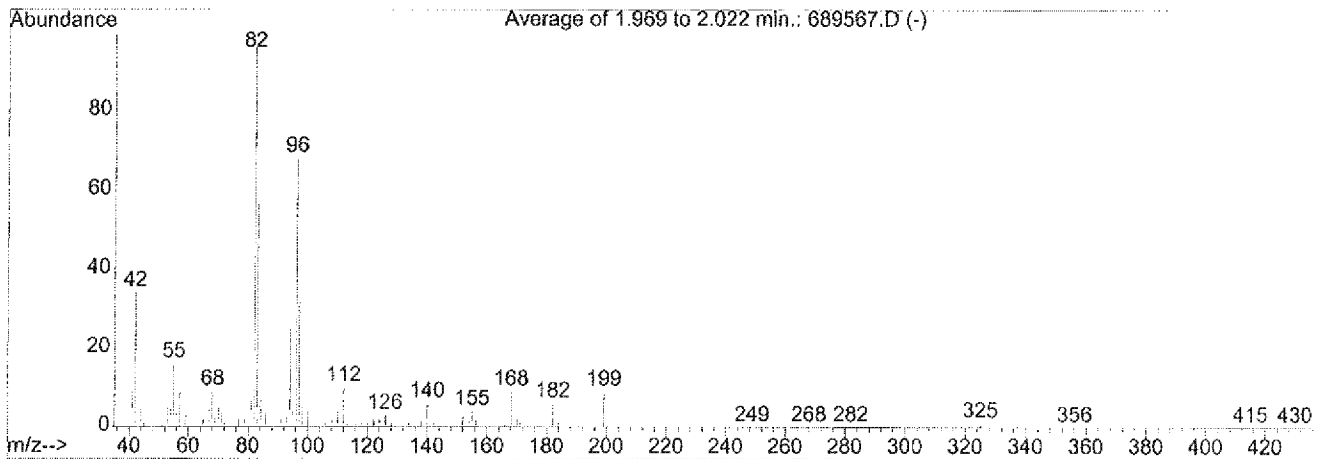
```

File Name       : F:\Q4-2009\SYSTEM7\12_29_09\689567.D
Operator        : DJR
Date Acquired   : 30 Dec 2009  11:43
Sample Name     : ██████████
Submitted by    : DXF
Vial Number     : 67
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	2.00	C:\DATABASE\PMW_TOX2.L		
		Cocaine-M (methylecgonine)	007143-09-1	97
		Cocaine-M (methylecgonine) AC	000000-00-0	45
		Cocaine	000050-36-2	38



Area Percent / Library Search Report

Information from Data File:

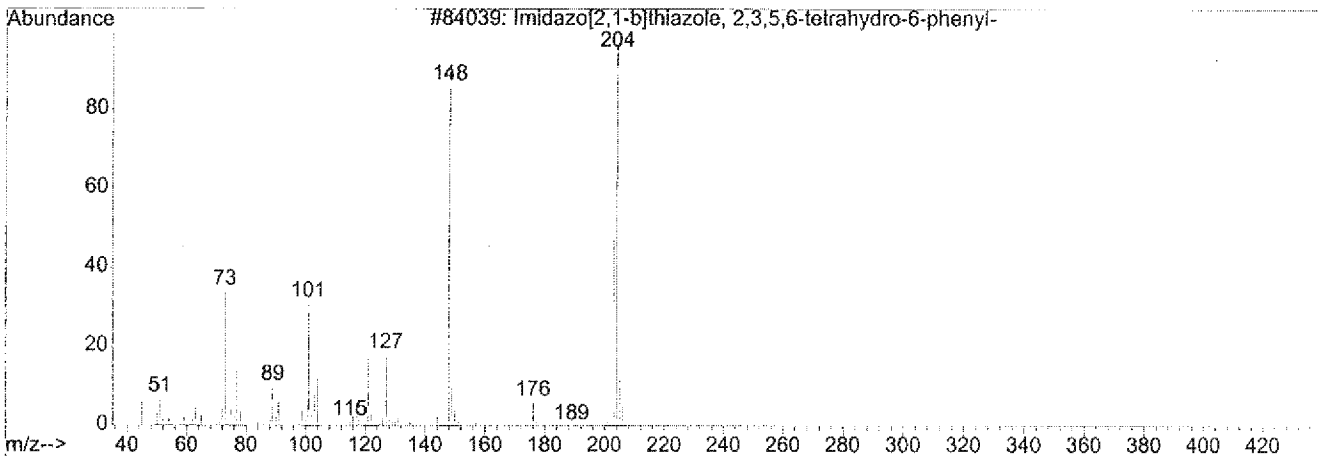
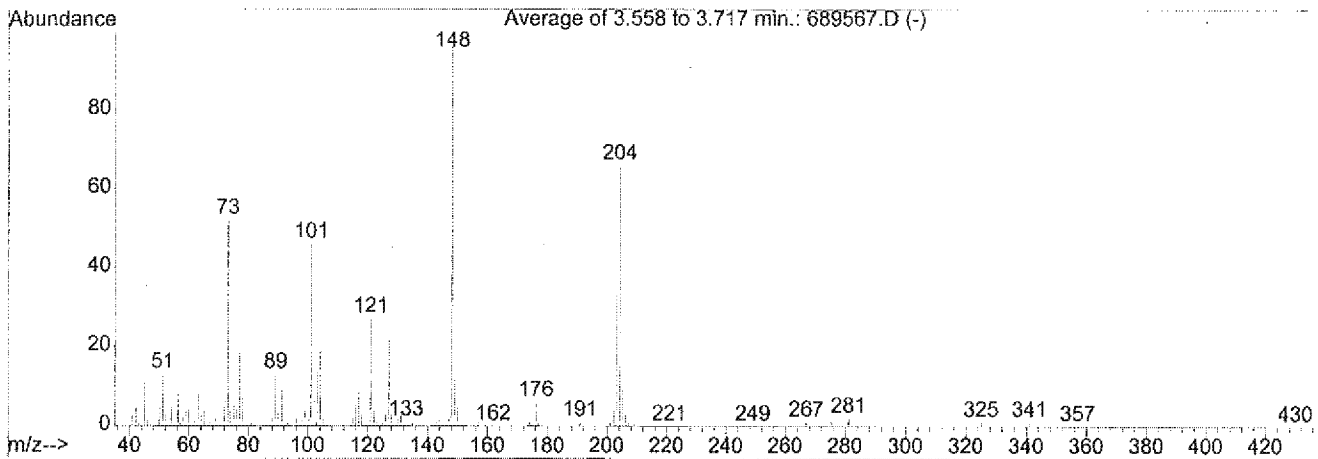
```

File Name       : F:\Q4-2009\SYSTEM7\12_29_09\689567.D
Operator        : DJR
Date Acquired   : 30 Dec 2009  11:43
Sample Name     : 
Submitted by    : DXF
Vial Number     : 67
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
2	3.58	C:\DATABASE\NIST98.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	97



Area Percent / Library Search Report

Information from Data File:

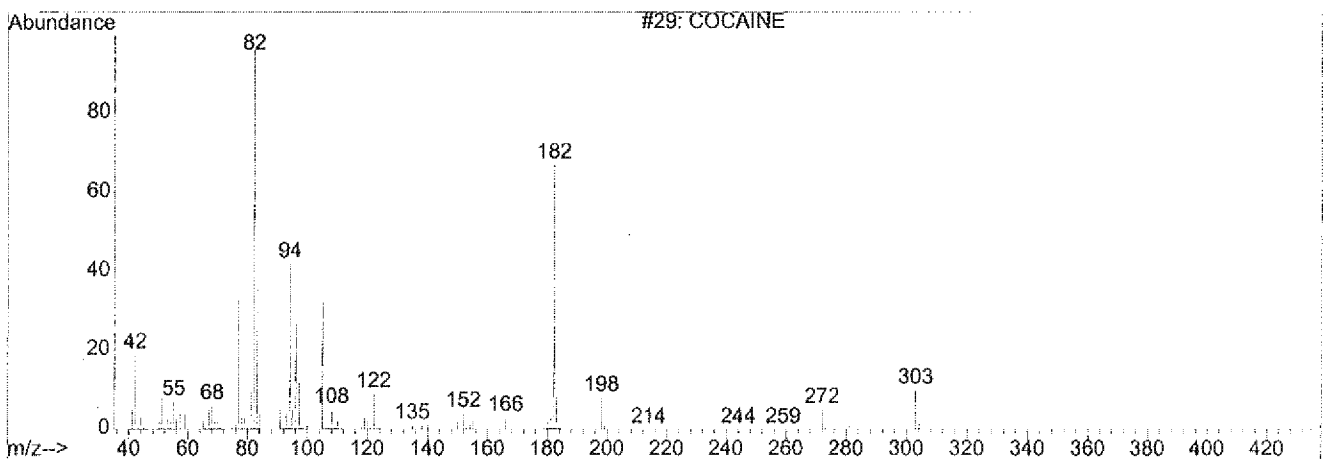
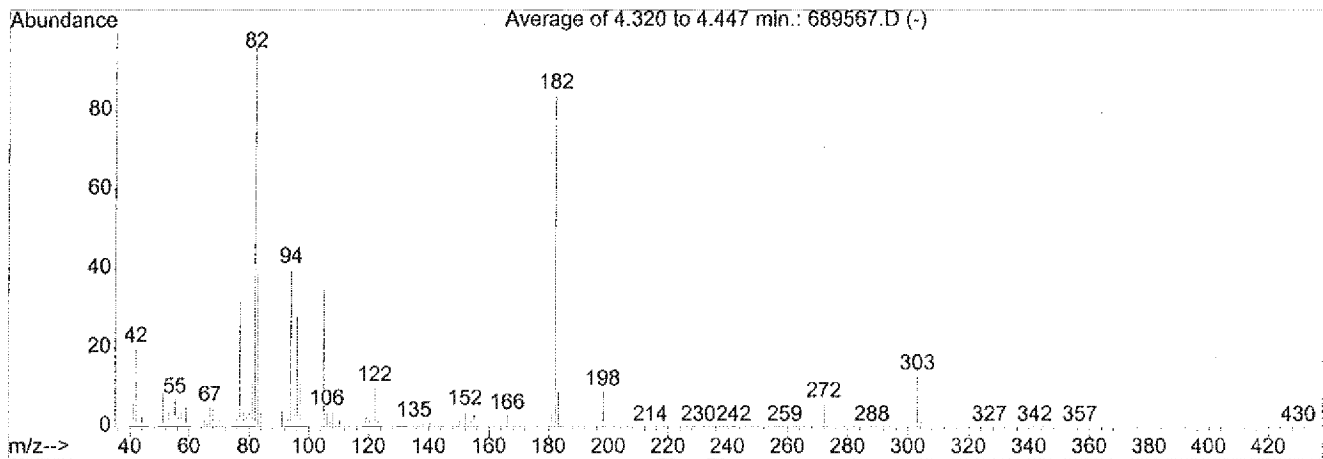
```

File Name       : F:\Q4-2009\SYSTEM7\12_29_09\689567.D
Operator        : DJR
Date Acquired   : 30 Dec 2009  11:43
Sample Name     : 
Submitted by    : DXF
Vial Number     : 67
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
3	4.35	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

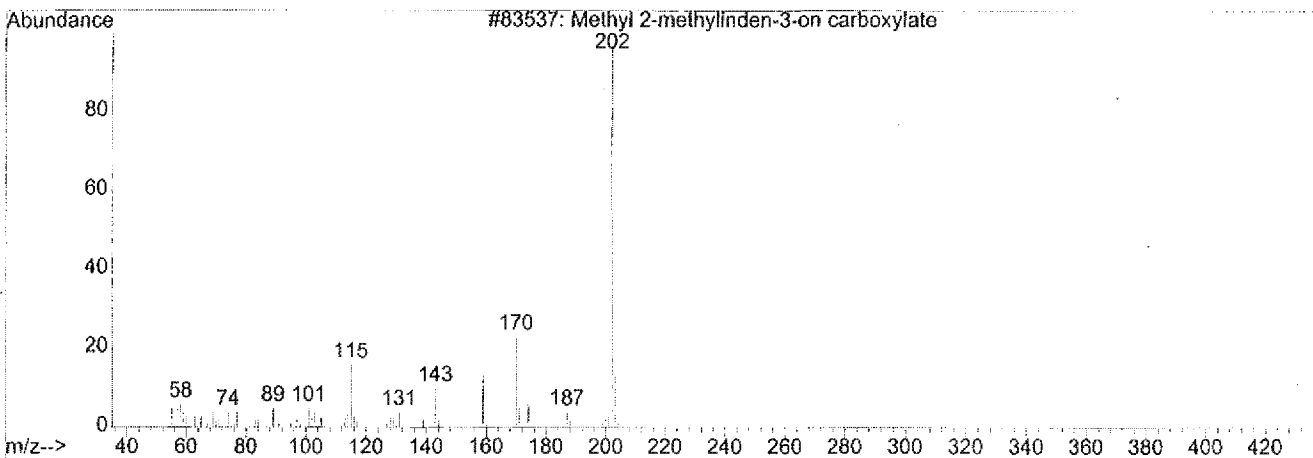
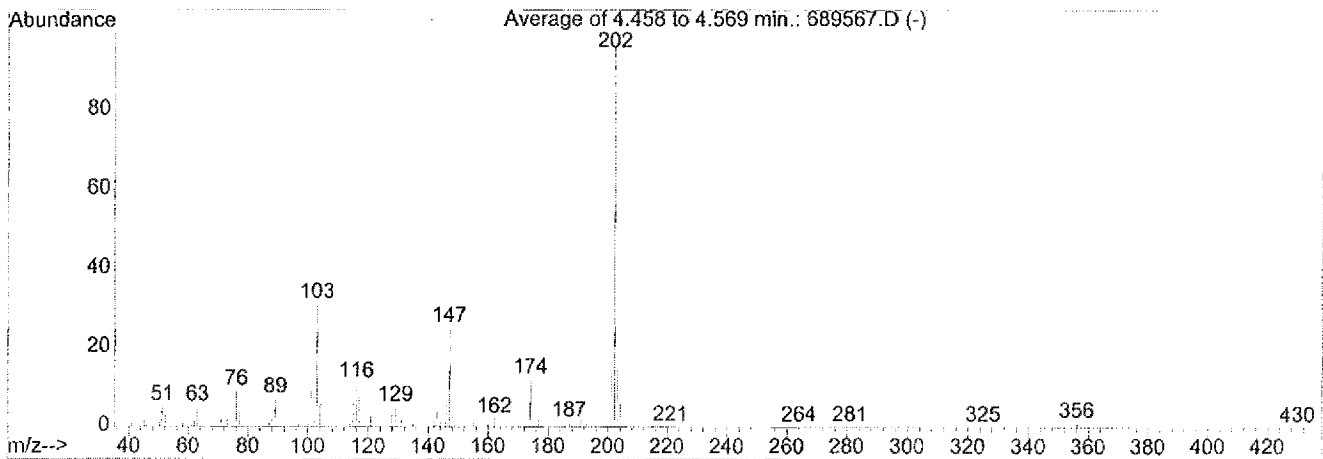
```

File Name       : F:\Q4-2009\SYSTEM7\12_29_09\689567.D
Operator        : DJR
Date Acquired   : 30 Dec 2009  11:43
Sample Name     : 
Submitted by    : DXF
Vial Number     : 67
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

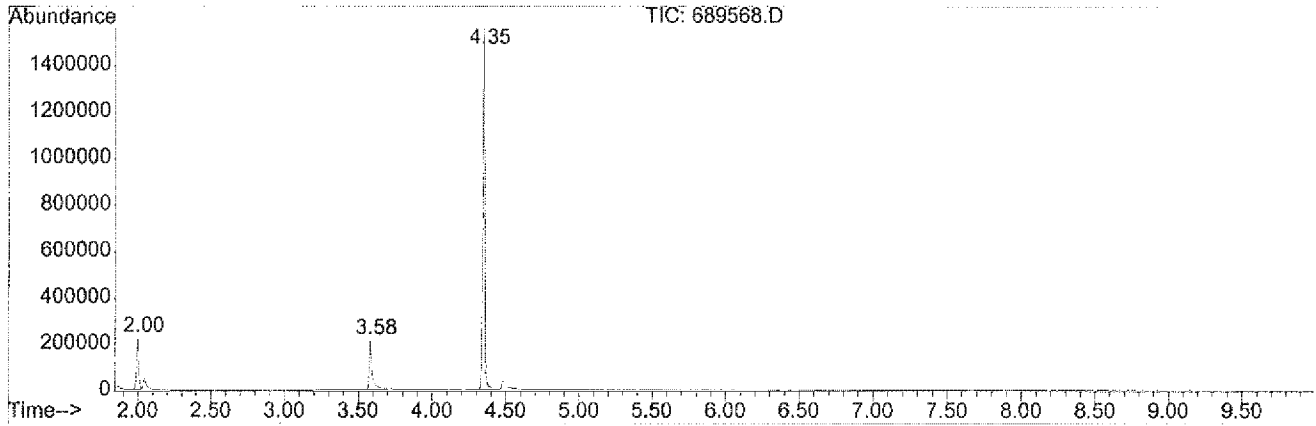
PK#	RT	Library/ID	CAS#	Qual
4	4.48	C:\DATABASE\NIST98.L		
		Methyl 2-methylinden-3-on carboxyla	1000214-93-4	50
		Pyrene	000129-00-0	49
		Benzene, 1,1'-(1,3-butadiyne-1,4-di	000886-66-8	47



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_29_09\689568.D
Operator : DJR
Date Acquired : 30 Dec 2009 11:56
Sample Name : XXXXXXXXXX
Submitted by : DXF
Vial Number : 68
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
1.996	218074	11.14	15.02
3.579	288449	14.73	19.87
4.347	1451747	74.13	100.00

Area Percent / Library Search Report

Information from Data File:

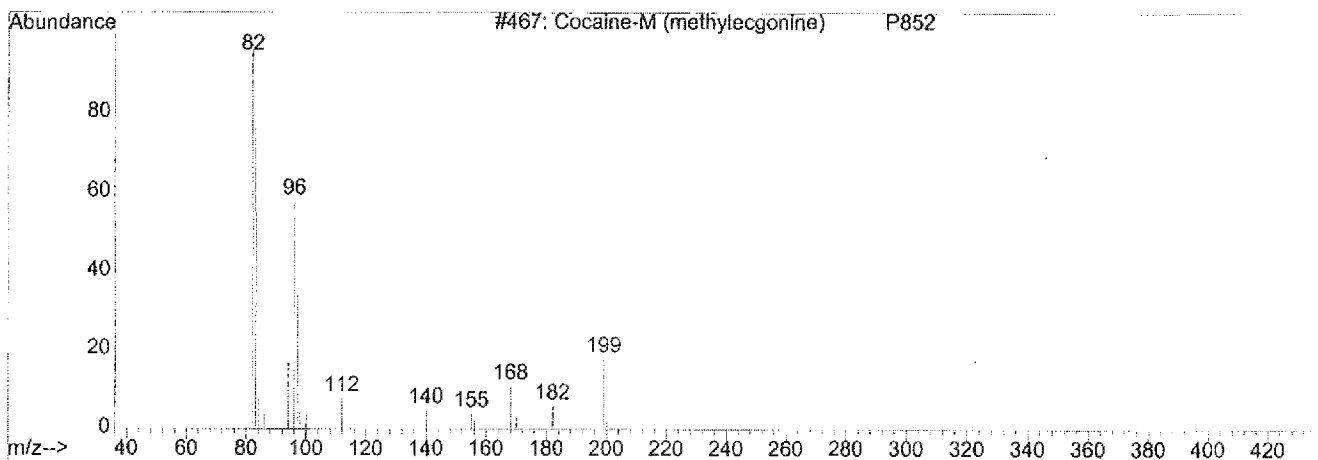
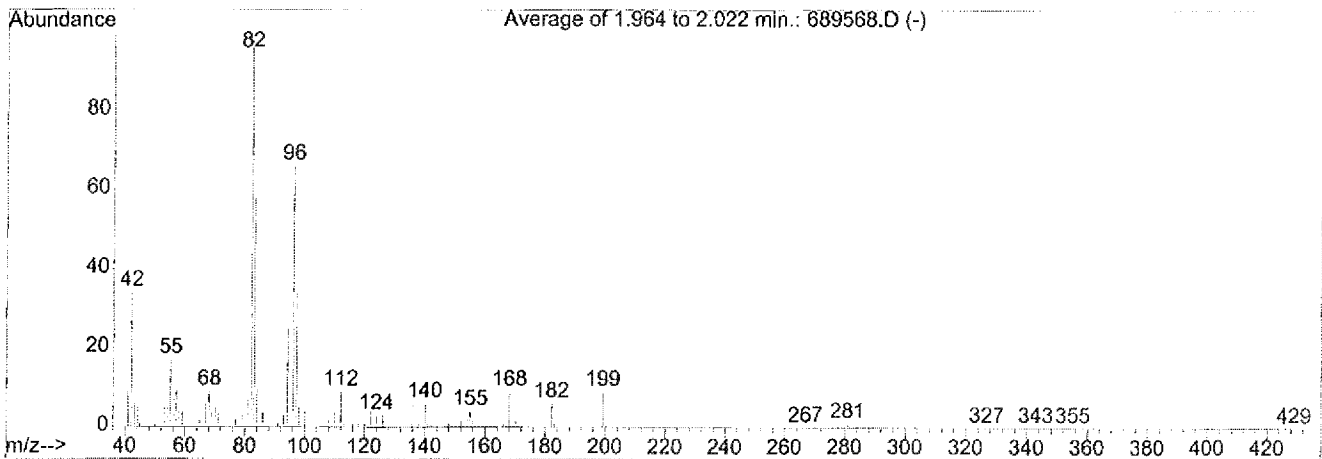
```

File Name       : F:\Q4-2009\SYSTEM7\12_29_09\689568.D
Operator        : DJR
Date Acquired   : 30 Dec 2009  11:56
Sample Name     : ██████████
Submitted by    : DXF
Vial Number     : 68
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	2.00	C:\DATABASE\PMW_TOX2.L		
		Cocaine-M (methylecgonine)	007143-09-1	97
		Cocaine	000050-36-2	38
		Cocaine-M (methylecgonine) AC	000000-00-0	12



Area Percent / Library Search Report

Information from Data File:

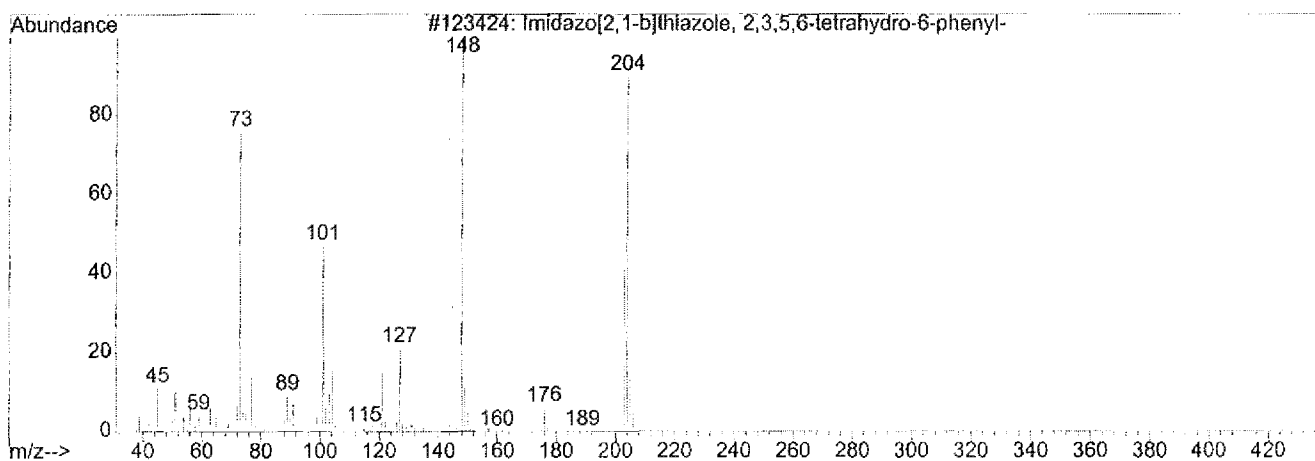
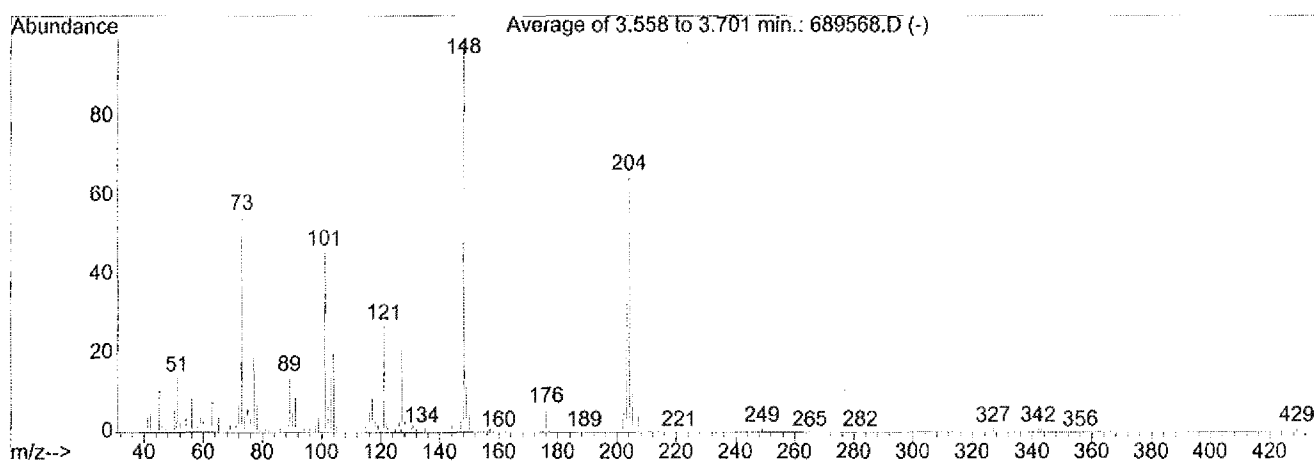
```

File Name       : F:\Q4-2009\SYSTEM7\12_29_09\689568.D
Operator        : DJR
Date Acquired   : 30 Dec 2009   11:56
Sample Name     : 
Submitted by    : DXF
Vial Number     : 68
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
2	3.58	C:\DATABASE\NIST98.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98



Area Percent / Library Search Report

Information from Data File:

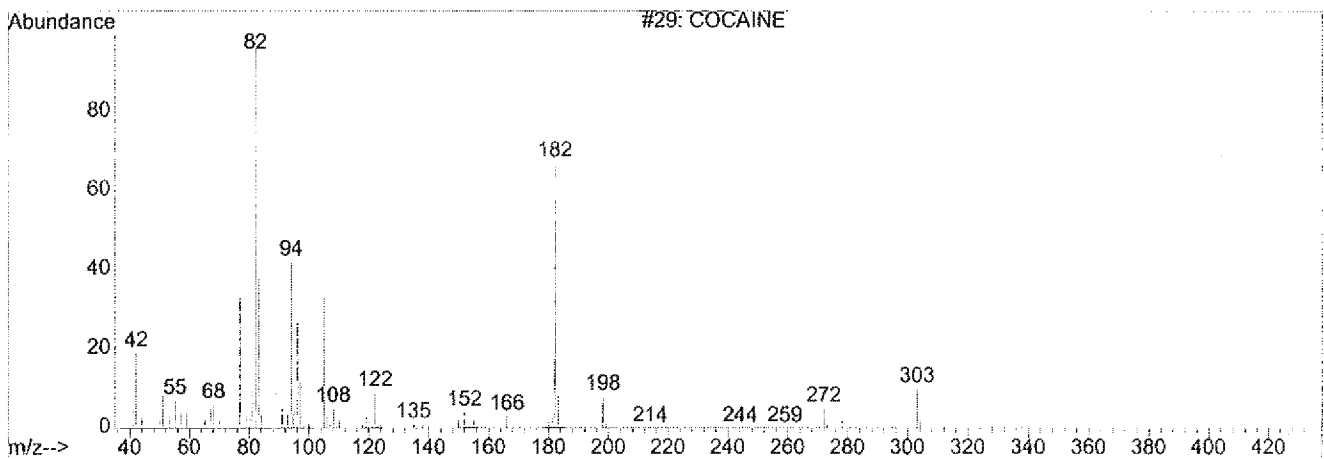
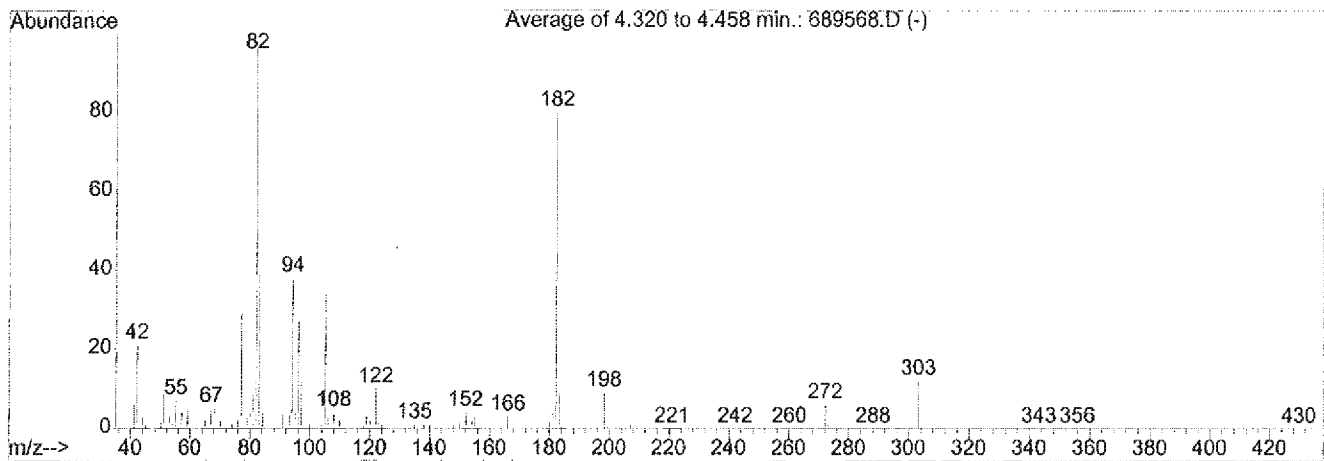
```

File Name       : F:\Q4-2009\SYSTEM7\12_29_09\689568.D
Operator        : DJR
Date Acquired   : 30 Dec 2009   11:56
Sample Name     : 
Submitted by    : DXF
Vial Number     : 68
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

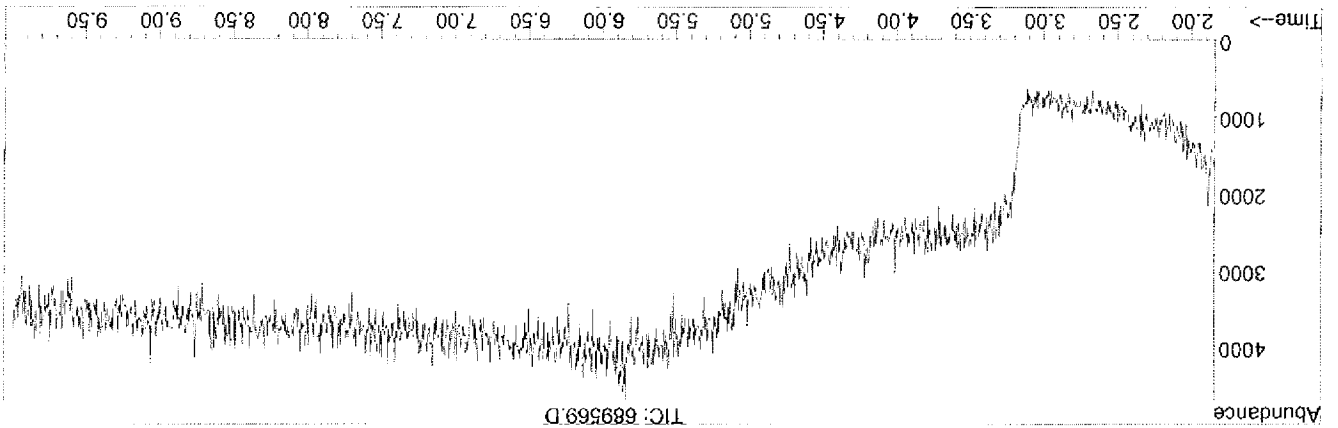
Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
3	4.35	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:
 File Name : F:\Q4-2009\SYSTEM7\12_29_09\689569.D
 Operator : DJR
 Date Acquired : 30 Dec 2009 12:08
 Sample Name : BLANK
 Submitted by : DXF
 Vial Number : 2
 AcquisitionMeth: DRUGS
 Integrator : RTE

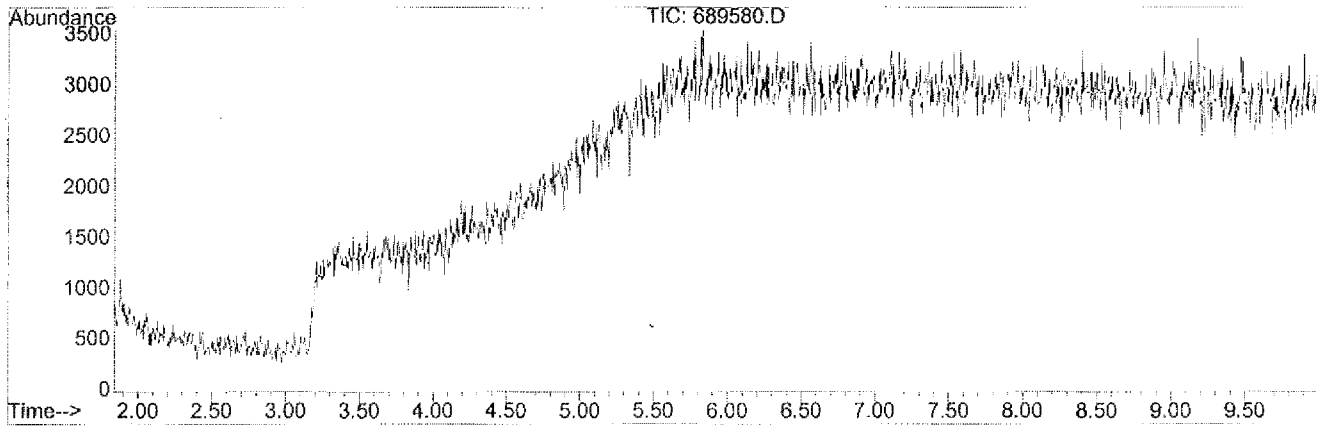


Ret. Time	Area	Area %	Ratio %
NO INTEGRATED PEAKS			

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_29_09\689580.D
Operator : DJR
Date Acquired : 30 Dec 2009 14:29
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



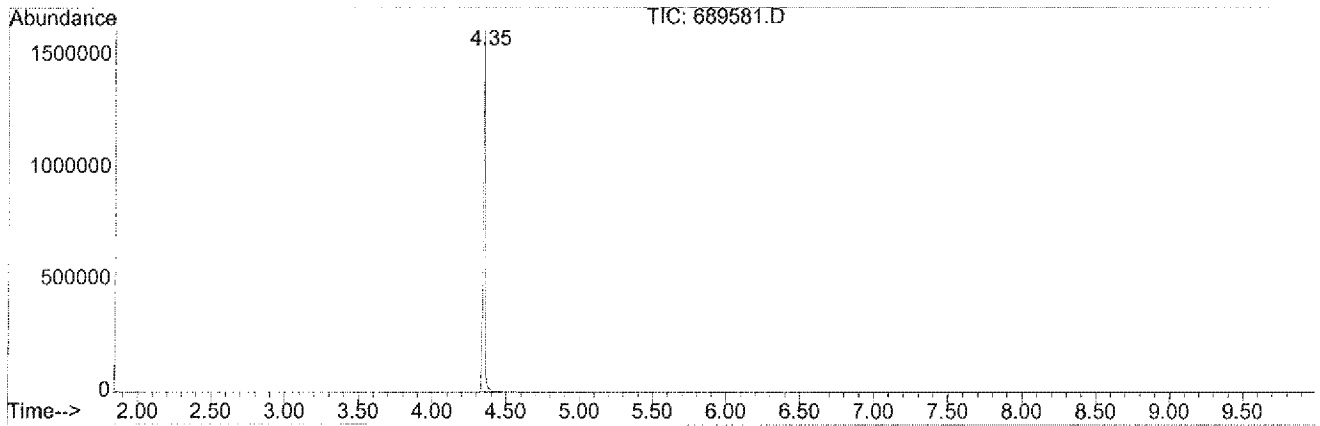
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_29_09\689581.D
Operator : DJR
Date Acquired : 30 Dec 2009 14:42
Sample Name : COCAINE STD
Submitted by :
Vial Number : 81
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.347	1449445	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

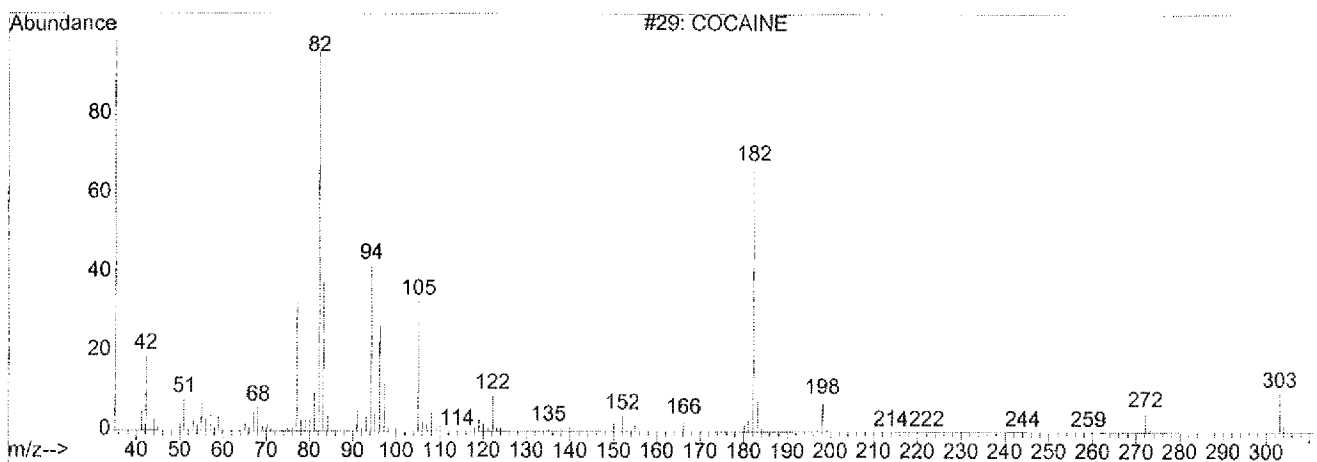
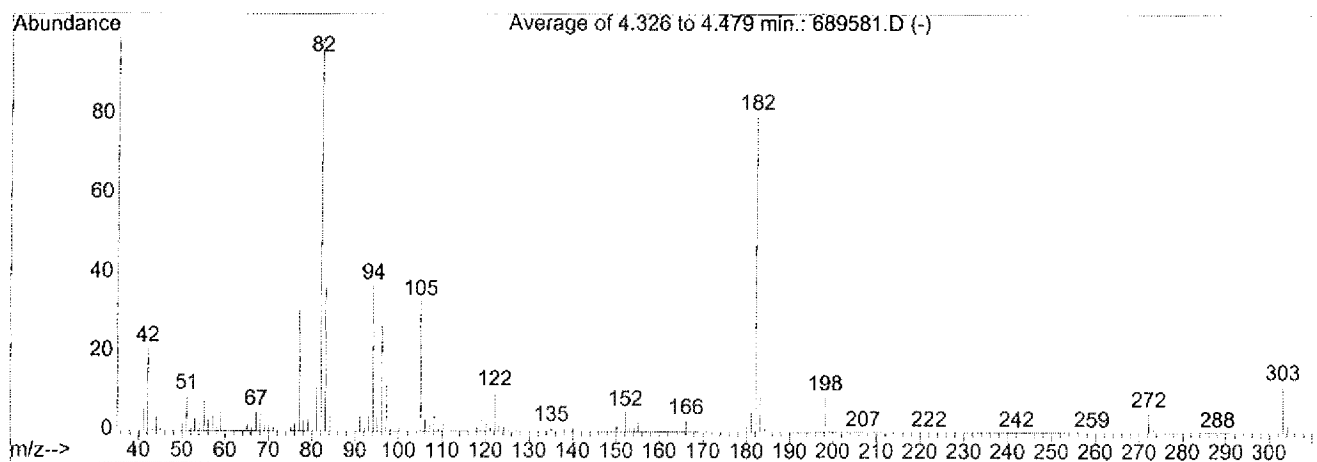
```

File Name       : F:\Q4-2009\SYSTEM7\12_29_09\689581.D
Operator        : DJR
Date Acquired   : 30 Dec 2009   14:42
Sample Name     : COCAINE STD
Submitted by    :
Vial Number     : 81
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

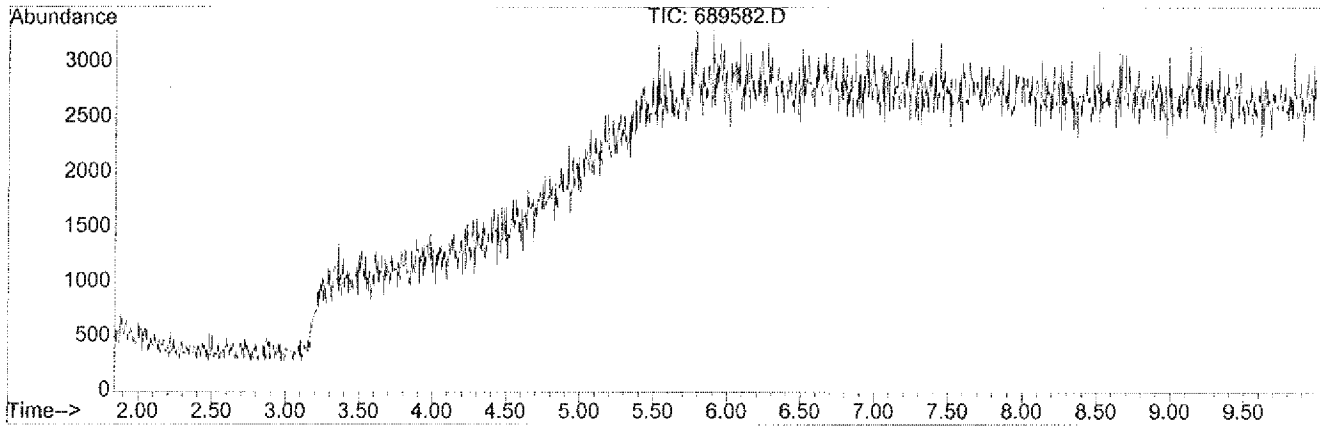
PK#	RT	Library/ID	CAS#	Qual
1	4.35	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12_29_09\689582.D
Operator : DJR
Date Acquired : 30 Dec 2009 14:54
Sample Name : BLANK
Submitted by : DXF
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS